PTO/SB/08A (10-01)
Approved the through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark e: U.S. DEPARTMENT OF COMMERCE

DDM00-033

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

U.S. Patent and Trademark See: U.S. DEPARTMENT OF COMMERCE

Complete if Known

Application Number 09/670,792

Filing Date September 27, 2000

First Named Inventor Hans Gregory Schantz

Art Unit 2821

Examiner Name

Attorney Docket Number

(use as many sheets as necessary)

of

Sheet

		•	U.S. PAT	ENT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
KB	1	US- 3,806,795	04-23-1974	Morey	
KB KB	2	US- 5,523,767	06-04-1996	McCorkle	
Kb	3	US- 5,952,956	09-14-1999	Fullerton	
		US-			
		US-		·	
		US-			
				,	

				FOR	EIGN PATENT DO	CUMENTS	,	
Examiner Initials*	r Cite No. ¹		Foreign Patent Do	cument	Publication Date MM-DD-YYYY	Name of Patentee or	Pages, Columns, Lines, Where Relevant	
		Office	3 Number4	Kind ^s (if known)		Applicant of Cited Document	Passages or Relevant Figures Appear	
	Α	GB	641,199		08-09-1950	Standard Telephones Cables		
								$oldsymbol{ol}}}}}}}}}}}}}}}}}$
						DEC.	CIVED	
			_			REC	LIVED	
	<u> </u>					1	2 3 2002	
						SEP	7 2 7005	
							y Center 2600	
						Technolo	By Ceriter 2000	

Examiner	A) 11	Date	salu la
Signature	A LAND	Considered	06/14/04
Colginature	4 .9 UNIVIV	Considered	1 11111 2

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <u>www.uspto.gov</u> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARIMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

SEP 1 5 2002

Substitu	ute for form 1449B/PT	0		Complete if Known				
•.		_		Application Number	09/670,792			
INF	ORMATIO	N D	ISCLOSURE	Filing Date	September 27, 2000			
STA	TEMENT	RY	APPLICANT	First Named Inventor	Hans Gregory Schantz	-		
•			All LIOAILI	Group Art Unit	2821	\ "		
	(use as many s	sheet	s as necessary)	Examiner Name		1		
Sheet	2	of	2	Attorney Docket Number	DDM00-033			

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
KB	AA	PCT International Search Report of 05-29-2002 relating to cited prior art references.	
KB	АВ	Bird, T.S. et al., "Millimetre-Wave Antenna and Propagation Studies for Indoor Wireless LANs"; Digest of the Antennas and Propagation Society International Symposium; Seattle, WA, June 19 - 24, 1994, New York, IEEE U.S.; Vol. 3, 20 June 1994 (1994-06-20); pages 336 - 339.	
KB	AC	Eide, E.S., "Ultra-Wideband Transmit/Receive Antenna Pair for Ground Penetrating radar"; IEEE Proceedings, Microwave Antennas Propagation, Institute of Electrical Engineers, Stevenage, GB; Vol. 147, No. 3, 12 June 2000 (2000-06-12); pages 231-235.	
		RECEIVED	
		SEP 2 3 2002	
		Technology Center 2600	

Examiner Signature Date Considered 06/14/04	
---	--

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional).
² Applicant is to place a check mark here if English language Translation is attached.